

Attorney Docket No.: 6680.200-US
USSN: 10/822,020

AMENDMENTS TO THE SPECIFICATION

Please replace pages 18 - 20 of the specification, Tables 3 and 4, respectively, with the following substitute pages.

Table 3 Effects of growth hormone (GH) dosing on: consumption of high-fat (HF) and low-fat (LF) diets, body weights, adipose tissue, skeletal muscle weight and muscle content of fat. Food intake was registered per cage unit containing 2-3 animals (n=6), and fat in muscle was analysed on a randomly selected number (n=5) of animals from each group. In other cases, means \pm SE are based on 11-12 observations.

Diet before dosing	Diet during dosing	Intakes		Body weight			Tissue weights and composition			
		Dosing	Food (g/kg/d)	Metabolizable energy (Cal/kg/d)	Protein (g/kg/d)	Start weight (g)	Final weight (g)	Change in weight (g)	Adipose tissue (g)	Skeletal muscle Fat in muscle (%)
Low-fat	Low-fat	Saline	46 ^a \pm 2.0	149 ^{ab} \pm 6.5	7.8 ^a \pm 0.34	345 ^{bc} \pm 13	355 ^c \pm 11	9.7 ^d \pm 3.6	41 ^{bc} \pm 3.8	2.3 ^b \pm 0.10
		GH	40 ^b \pm 1.9	129 ^{bc} \pm 6.1	6.8 ^b \pm 0.32	341 ^c \pm 12	419 ^{abc} \pm 11	78 ^a \pm 3.7	30 ^{de} \pm 2.3	3.0 ^a \pm 0.07
High-fat	High-fat	Saline	33 ^{cd} \pm 1.7	158 ^a \pm 8.0	5.6 ^{cd} \pm 0.28	391 ^{ab} \pm 17	400 ^{bcd} \pm 16	9.0 ^d \pm 3.7	60 ^a \pm 4.7	2.3 ^b \pm 0.08
		GH	29 ^d \pm 1.5	142 ^{ab} \pm 7.2	5.0 ^d \pm 0.25	390 ^{ab} \pm 15	452 ^a \pm 13	62 ^b \pm 4.9	38 ^{cd} \pm 2.7	2.8 ^a \pm 0.11
Energy restricted*	Energy restricted*	GH	22 [*] \pm 0.0	106 [*] \pm 0.12	3.7 [*] \pm 0.00	389 ^{ab} \pm 9	429 ^{ab} \pm 9	40 ^c \pm 7.6	26 [*] \pm 1.6	3.0 ^a \pm 0.16
High-fat	Low-fat	Saline	37 ^{bc} \pm 2.4	119 ^{cd} \pm 7.9	6.2 ^{bc} \pm 0.42	388 ^{ab} \pm 17	381 ^{cd} \pm 16	-7 ^a \pm 3.6	50 ^{ab} \pm 4.5	2.2 ^b \pm 0.09
		GH	33 ^{cd} \pm 2.8	106 ^d \pm 9.0	5.6 ^{cd} \pm 0.47	389 ^{ab} \pm 16	431 ^{ab} \pm 10	41 ^c \pm 8.2	31 ^{cd} \pm 2.7	2.9 ^a \pm 0.07
Pair fed*	Pair fed*	Saline	30 [*] \pm 2.1	97 [*] \pm 6.7	5.1 [*] \pm 0.35	393 ^a \pm 17	371 ^{de} \pm 15	-22 ^c \pm 5.4	49 ^b \pm 3.8	2.2 ^b \pm 0.05
										2.8 ^{abc} \pm 0.4

* Groups that did not have free access to food were excluded from statistical analyses of food intake variables.

^{a,b,c,d,e} Differences between groups were tested with a one-way analysis of variance followed by Duncan's multiple range-test. Values within columns not sharing a common letter superscript differ significantly ($p < 0.05$).

Table 4 Effect of GH and diet on levels of blood lipids and related substances.

Duration of Experiment	Diet before dosing	Diet during dosing	Dosing	FFA	Glycerol	BHBT	Triglyceride	Cholesterol
4 Days	High-fat	Low-fat	Saline	0.56 ± 0.05	0.33 ± 0.01	0.60 ± 0.07	0.69 ± 0.09	1.17 ± 0.09
4 Days	High-fat	Low-fat	GH	0.63 ± 0.07	0.34 ± 0.01	1.32 ± 0.24 ⁴	0.48 ± 0.03 ⁵	0.64 ± 0.05 ⁷
4 Days	High-fat	Pair-fed	Saline	0.68 ± 0.07	0.30 ± 0.01	1.17 ± 0.11 ⁴	0.39 ± 0.03	1.03 ± 0.08
21 Days	Low-fat	Low-fat	Saline	0.75 ± 0.08	0.39 ± 0.03	0.25 ± 0.04	1.41 ± 0.21	1.39 ± 0.10
21 Days	Low-fat	Low-fat	GH	0.43 ± 0.04 ¹	0.33 ± 0.02 ³	0.24 ± 0.02	1.40 ± 0.14	1.01 ± 0.08 ⁷
21 Days	High-fat	High-fat	Saline	0.49 ± 0.03	0.35 ± 0.03	0.51 ± 0.04	0.88 ± 0.09	1.27 ± 0.06
21 Days	High-fat	High-fat	GH	0.36 ± 0.04 ¹	0.39 ± 0.02	0.30 ± 0.04	1.54 ± 0.12 ⁶	0.90 ± 0.07 ⁷
21 Days	High-fat	Energy-restricted	GH	0.20 ± 0.01 ²	0.20 ± 0.01 ²	0.92 ± 0.09 ²	0.53 ± 0.04 ²	0.82 ± 0.03
21 Days	High-fat	Low-fat	Saline	0.60 ± 0.06	0.38 ± 0.03	0.17 ± 0.03	1.58 ± 0.25	1.21 ± 0.10
21 Days	High-fat	Low-fat	GH	0.38 ± 0.04 ¹	0.30 ± 0.01 ³	0.22 ± 0.03	1.27 ± 0.13	0.92 ± 0.05 ⁷
21 Days	High-fat	Pair-fed	Saline	0.74 ± 0.07	0.41 ± 0.03	0.50 ± 0.07 ⁴	1.00 ± 0.13	1.28 ± 0.06

FFA = free fatty acids; BHBT = β -hydroxybutyrate; Cholesterol = total cholesterol. All values in mM. Superscript numbers indicate significant effects as follows: ¹GH lowered FFA level after 21 days compared to saline; ²FFA, glycerol and triglyceride levels in the high-fat/energy restricted group were lower, while BHBT level was elevated, compared to the other GH-treated groups initially fed high-fat diet; ³GH lowered glycerol levels in animals on low-fat diet

compared to saline; ⁴BHBT level elevated compared to saline; ⁵Triglyceride decreased after 4 days of GH treatment compared to saline, but not with the pair-fed group; ⁶After 21 days, the combination of GH and high-fat diet caused elevated triglyceride levels compared to saline; ⁷GH decreased the cholesterol level after both 4 and 21 days compared to saline